UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO. : 7,408,978 B2 Page 1 of 2

APPLICATION NO.: 10/657435
DATED: August 5, 2008
INVENTOR(S): Pan et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the title page, item [56] OTHER PUBLICATIONS, page 1, right column, line 8, after the words "MD: The", delete "John" and insert therefor --Johns--.

At column 2, line 11, before the word "wherein", delete "drawing" and insert therefor --drawings--.

At column 2, line 44, after "signal, r, is", insert --a--.

At column 5, line 30, before the words "both of", delete " R_{CIR} and \underline{H}_{CIR} " and insert therefor -- R_{Cir} and \underline{H}_{Cir} --.

At column 5, line 32, after " \underline{H}_{Cir}^{H} and", delete " $\underline{H}_{s}\underline{S}_{E}+\underline{n}_{E}$ " and insert therefor $-\underline{H}_{s}\underline{s}_{E}+\underline{n}_{E}$ ".

At column 5, line 41, before the words "is an error", delete " $\underline{H}_s = \underline{H}_{Cir} - \underline{H}\Delta$ ($\underline{H}\Delta$ " and insert therefor -- $\underline{H}_s = \underline{H}_{Cir} - \underline{H}_\Delta$ (\underline{H}_Δ --.

At column 5, line 51, after the word "matrix", delete " $\underline{H}\Delta$ " and insert therefor -- \underline{H}_{Δ} --.

At column 6, line 32, before "and \underline{H}_{Δ} " delete " $\underline{H}^{\text{CirH}}$ ", and insert therefor -- $\underline{H}_{\text{Cir}}^{\text{H}}$ --.

At column 6, line 53, after the words "all elements of", delete " $y = \underline{H}_{Cir}{}^H \underline{H}_{A} \underline{S}_{E} = \underline{X} \underline{S}_{E}$ " and insert therefor $-y = \underline{H}_{Cir}{}^H \underline{H}_{A} \underline{S}_{E} = \underline{X} \underline{S}_{E}$ --.

At column 7, line 36, before the words "for m=1,2 ..., M." delete " $h_{W-,m}$ " and insert therefor -- $h_{W-1,m}$)--.

At column 7, line 54, delete Equation 18, and insert therefor --Lm = max $\{L\}$ + max $\{W\}$ + ϵ --.

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At column 7, line 56, before the words "is a", delete "€" and insert therefor --ε--.

At column 7, line 59, before the words "is chosen", delete "∈" and insert therefor --ε--.

At column 9, line 20, after the word "vector", delete " $\tilde{\underline{s}}$ " and insert therefor -- $\tilde{\underline{s}}$ --.

At column 12, line 65, after the word "responses", delete " \underline{h}_1 \underline{h}_m " and insert therefor $-\underline{h}_1$... \underline{h}_m --.

Signed and Sealed this

Sixth Day of October, 2009

land J. Kappos

David J. Kappos

Director of the United States Patent and Trademark Office